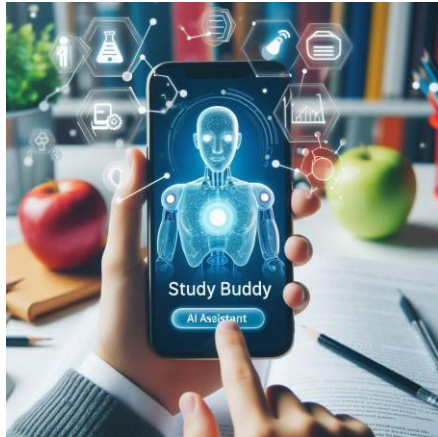




URAV ADVANCED LEARNING SYSTEMS PRIVATE LIMITED  
KERA 44, SWASTHI, 45/2234, KUTHAPPADY,  
THAMMANAM, KOCHI, KERALA 682032, INDIA  
CIN: U72900KL2020PTC061085  
GST: 32AACCU5508Q1Z1  
Ph: 9447711302  
Email: [info@uralstech.in](mailto:info@uralstech.in)  
Website: <https://uralstech.in/>

## ExploAvatar Study Buddy | AI Assistant Hackathon 2024, Kochi



### MultiTalk Avatar AI Suite - Study Buddy | AI Assistant



**Free to Download and Try – Get Free TalkTime!**

iOS App Store: <https://apps.apple.com/us/app/study-buddy-ai-assistant/id6671574219>

Google Play Store: <https://play.google.com/store/apps/details?id=com.Uralstech.StudyBuddy>

### Video Demo

Functionality: [https://youtu.be/JlhH-Uao\\_Mo?feature=shared](https://youtu.be/JlhH-Uao_Mo?feature=shared)

Hackathon: <https://youtu.be/Z14R6r3kZvg?feature=shared>

**Prizes: More than 50 colleges participating for 100,000 Indian Rupees and more. Win up to 10,000 Indian Rupees as prize per minimum 1000 participants Cohort. Each 1000 participant cohort will get 5000 Rs as First Prize and 10 x 500 Rs consolation prizes.**

### Hackathon Announcement: Unleash Your Creativity with Study Buddy | AI Assistant!

Are you ready to revolutionize the way we learn and create? Join us for an exciting 6-hour Hackathon featuring Study Buddy |AI Assistant, your personalized multilingual AI learning assistant! This is your chance to explore innovative uses of AI and craft unique works of art, thoughtful ideas, or groundbreaking projects that showcase how technology can augment human creativity and satisfaction.

**Date: 20<sup>th</sup> November, 2024**

**Time: 10.00 am to 4.00 pm**



URAV ADVANCED LEARNING SYSTEMS PRIVATE LIMITED  
KERA 44, SWASTHI, 45/2234, KUTHAPPADY,  
THAMMANAM, KOCHI, KERALA 682032, INDIA  
CIN: U72900KL2020PTC061085  
GST: 32AACCU5508Q1Z1  
Ph: 9447711302  
Email: [info@uralstech.in](mailto:info@uralstech.in)  
Website: <https://uralstech.in/>

### What's in Store:

- ◆ 6 Hours: Dive deep into the capabilities of Study Buddy with the free TalkTime given to you when you download the app in App Store or Play Store! Use its multilingual features, interactive tools, and AI-generated visuals to bring your ideas to life.
- ◆ Individual Participation: Let your imagination run wild! Whether you're a coder, designer, or visionary thinker, everyone is welcome.
- ◆ Showcase Your Work: Present your creations at the end of the event. Inspire others with your innovative approach to using AI in education and beyond.
- ◆ Free to participate: You need not buy anything or pay for participating. Absolutely Free!

### Why Participate?

- ◆ Innovate: Explore new ways AI can enhance learning, creativity, and collaboration.
- ◆ Network: Meet like-minded individuals, industry experts, and potential collaborators.
- ◆ Win Prizes: Exciting rewards await the most creative and impactful projects! Win up to 10,000 Rupees per 1000 participant cohort.

**Join us for a day of innovation and creativity! Together, let's harness the power of AI to enrich our learning experiences and create a brighter future.**

### Submission Site

**Readme:** <https://github.com/Urav-Advanced-Learning-Systems-Pvt-Ltd/Study-Buddy-Engineering-Hackathon-2024/blob/main/README.md>

**GitHub:** <https://github.com/Urav-Advanced-Learning-Systems-Pvt-Ltd/Study-Buddy-Engineering-Hackathon-2024/issues>

### Let's create something extraordinary!

**What to do:** Use your imagination and create innovative results using any of the functionality of the app with the free TalkTime available. All within 12 hours. Present the chat output as text or video!

### Example

1. Upload pdf text and ask AI to explain it in your native language
2. Make the AI search for new ideas for a research project in your subject.
3. Upload data json or image files and analyze it.
4. Make imaginative Sci-Fi images of technology being used in the future.



URAV ADVANCED LEARNING SYSTEMS PRIVATE LIMITED  
KERA 44, SWASTHI, 45/2234, KUTHAPPADY,  
THAMMANAM, KOCHI, KERALA 682032, INDIA  
CIN: U72900KL2020PTC061085  
GST: 32AACCU5508Q1Z1  
Ph: 9447711302  
Email: [info@uralstech.in](mailto:info@uralstech.in)  
Website: <https://uralstech.in/>

5. Make AI teach you complicated concepts in your native language.

## **Study Buddy: Your Personalized Multilingual AI Learning Assistant**

**Overview:** Study Buddy is an innovative AI-powered educational app designed to support students in their learning journey. This multilingual avatar-based app offers a personalized and interactive learning experience, helping students understand concepts more effectively. The app is available on Android, making it accessible to a wide range of users.

### **Key Features:**

- 1. Multilingual Conversational AI:**
  - Students can select their preferred input and output languages, enabling them to converse with the AI in a language they are most comfortable with.
  - The AI can understand and respond in multiple languages, making learning more inclusive.
- 2. Avatar Creation and Customization:**
  - Students can create and edit their avatars from a single photograph, allowing for a personalized learning companion that feels unique to them. Upload photographs after signing in to ReadyPlayerMe through <https://hai.readyplayer.me/>
  - The avatar acts as a guide and mentor, delivering content and explanations in a friendly, interactive manner.
- 3. Interactive Learning Tools:**
  - The app includes tools for editing spoken input, helping students correct any mistakes made during speech-to-text conversion.
  - Students can upload images, code files, PDFs, and DOC files to receive AI-generated explanations, summaries, or visual aids related to the content.
- 4. AI-Generated Visuals:**
  - The AI is capable of generating images, graphs, and other visual aids based on the content, making complex topics easier to understand.
  - These visuals are presented in an answer box, where students can review and share them with others via WhatsApp or Email.
- 5. Content Sharing:**
  - The app allows students to share generated content, such as images and graphs, directly through messaging platforms or email, facilitating easy collaboration and communication.

### **Study Buddy | AI Assistant Functionalities:**

1. Conversational AI with Hyper-Customizable Animated Avatar
  - Created from selfie or photo upload



URAV ADVANCED LEARNING SYSTEMS PRIVATE LIMITED

KERA 44, SWASTHI, 45/2234, KUTHAPPADY,  
THAMMANAM, KOCHI, KERALA 682032, INDIA

CIN: U72900KL2020PTC061085

GST: 32AACCU5508Q1Z1

Ph: 9447711302

Email: [info@uralstech.in](mailto:info@uralstech.in)

Website: <https://uralstech.in/>

2. Multilingual Support
  - Input and output language options
  - Supports multiple world and Indian languages
3. Speech-to-Text (STT)
  - Editable text before sending query to AI
4. AI-Powered Interactions
  - GPT4 API integration
  - Google STT, TTS, and Translate for languages
  - Google Search API for online search
5. File Upload and Support
  - Text files (PDF, DOCX, PPTX)
  - Data files (JSON)
  - Code files (PY, JS, CPP)
  - Image files (PNG, JPG)
6. Handwritten Note Analysis
  - Photograph analysis
  - Support for different languages
7. Code Interpreter
  - Math and graph interpretation
  - Coding support
8. Image Generation
9. Shareable Results
  - Native language support
  - Save or share results on:
    - WhatsApp
    - Social media platforms

These 9 functionalities make Study Buddy | AI Assistant a comprehensive and user-friendly educational tool, providing students with:

- Personalized learning experiences
- Multilingual support
- Seamless interactions
- Access to various file formats
- Advanced AI-powered features
- Easy sharing and collaboration capabilities

**Use Cases:**

**Computer Science and IT:**



URAV ADVANCED LEARNING SYSTEMS PRIVATE LIMITED  
KERA 44, SWASTHI, 45/2234, KUTHAPPADY,  
THAMMANAM, KOCHI, KERALA 682032, INDIA  
CIN: U72900KL2020PTC061085  
GST: 32AACCU5508Q1Z1  
Ph: 9447711302  
Email: [info@uralstech.in](mailto:info@uralstech.in)  
Website: <https://uralstech.in/>

1. Virtual coding assistant: Use Study Buddy's code interpreter to write programs and present the chat leading to the code development.

#### **Mechanical and Civil:**

1. Structural analysis and design optimization: Use Study Buddy's math and graph interpretation to analyze structural integrity.
2. Material science and properties: Use Study Buddy's knowledge base to research material properties.

#### **Electrical:**

1. Circuit design and simulation: Utilize Study Buddy's math and graph interpretation to analyze circuit behavior.
2. Power systems analysis: Use Study Buddy's knowledge base to research electrical power systems.

#### **Electronics and Communication:**

1. Digital signal processing: Use Study Buddy's math and graph interpretation to analyze signals.
2. Communication systems design: Utilize Study Buddy's knowledge base to research communication protocols.

#### **Biomedical and Chemical:**

1. Medical image analysis: Utilize Study Buddy's image generation and analysis capabilities.
2. Clinical decision support system: Integrate Study Buddy with medical databases.

**Conclusion:** Study Buddy is a versatile and powerful educational tool that combines the latest AI technologies with a user-friendly interface. It empowers students to take control of their learning, offering personalized support that adapts to their needs and preferences.



URAV ADVANCED LEARNING SYSTEMS PRIVATE LIMITED  
KERA 44, SWASTHI, 45/2234, KUTHAPPADY,  
THAMMANAM, KOCHI, KERALA 682032, INDIA  
CIN: U72900KL2020PTC061085  
GST: 32AACCU5508Q1Z1  
Ph: 9447711302  
Email: [info@uralstech.in](mailto:info@uralstech.in)  
Website: <https://uralstech.in/>

## MultiTalk Avatar AI Suite - Study Buddy | AI Assistant



App Store



Play Store



hAI Friend AR



clinAlka